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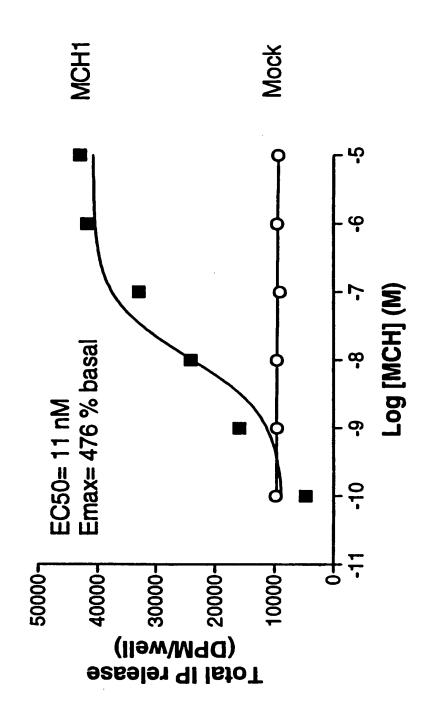
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221	Т	K	F	R	K	P	s	<u>V</u>	A		L V	V	I	С	L	L	W	A	L	<u>s</u>	240
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321	K	R	<u>v</u> _	T	R	T	A	I	A	I	C	L	V	F		'I V	C	W	A	P	340
341	<u>Y</u>	Y	V	L	0	L	T	0				S	R	P	Т	L	Т	F	V	Y	360
361	L	Y	N	A	<u>A</u>	I_	s	L	•	VI Y		N	s	С	L	N	P	F	<u>v_</u>	<u>Y</u>	380
381	I_	V_	L	С	E	T	F	R	K	R	L	V	L	S	V	K	P	A	A	Q	400
401	G _.	Q	L	R	Α	V	S	N	A	Q	Т	A	D	E	E	R	Т	Ε	s	K	420
421	G	Т																			422

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301	GCTGGGCATGCCTTTCATGATCCACCAGCTCATGGGGAACGGCGTCTGGCACTTTGGGGA	360
361	AACCATGTGCACCCTCATCACAGCCATGGACGCCAACAGTCAGT	420
421	CCTGACTGCCATGACCATTGACCGCTACTTGGCCACCGTCCACCCCATCTCCTCCACCAA	480
481	GTTCCGGAAGCCCTCCATGGCCACCCTGGTGATCTGCCTCCTGTGGGCGCTCTCCTTCAT	540
541	CAGTATCACCCCTGTGTGGCTCTACGCCAGGCTCATTCCCTTCCCAGGGGGTGCTGTGGG	909
601	CTGTGGCATCCGCCTGCCAAACCCGGACACTGACCTCTACTGGTTCACTCTGTACCAGTT	099
661	TTTCCTGGCCTTTGCCCTTCCGTTTGTGGTCATTACCGCCGCATACGTGAAATACTACA	720
721	GCGCATGACGTCTTCGGTGGCCCCCAGCCTCCCAACGCAGCATCCGGCTTCGGACAAAAGAG	780
781	GGTGACCCGCACGGCCATTGCCATCTGTCTGGTCTTCTTTGTGTGTG	840
841	TGTGCTGCAGCTGACCCAGCTGTCCATCAGCCGCCCGACCCTCACGTTTGTCTTGTA	900
901	CAACGCGGCCATCAGCTTGGGCTATGCTAACAGCTGCCTGAACCCCTTTGTGTACATAGT	960
961	GCTCTGTGAGACCTTTCGAAAACGCTTGGTGTTGTCAGTGAAGCCTGCAGCCCAGGGGCA	102
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1081	C <u>IGA</u> CAATTCCCCAGTCGCCTCCAAGTCAGGCCACCCCATCAAACCGTGGGGAGAGATAC	114
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1201	CAACCACATTCCAC	121

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IP release in MCH1- and mock-transfected Cos-7 cells



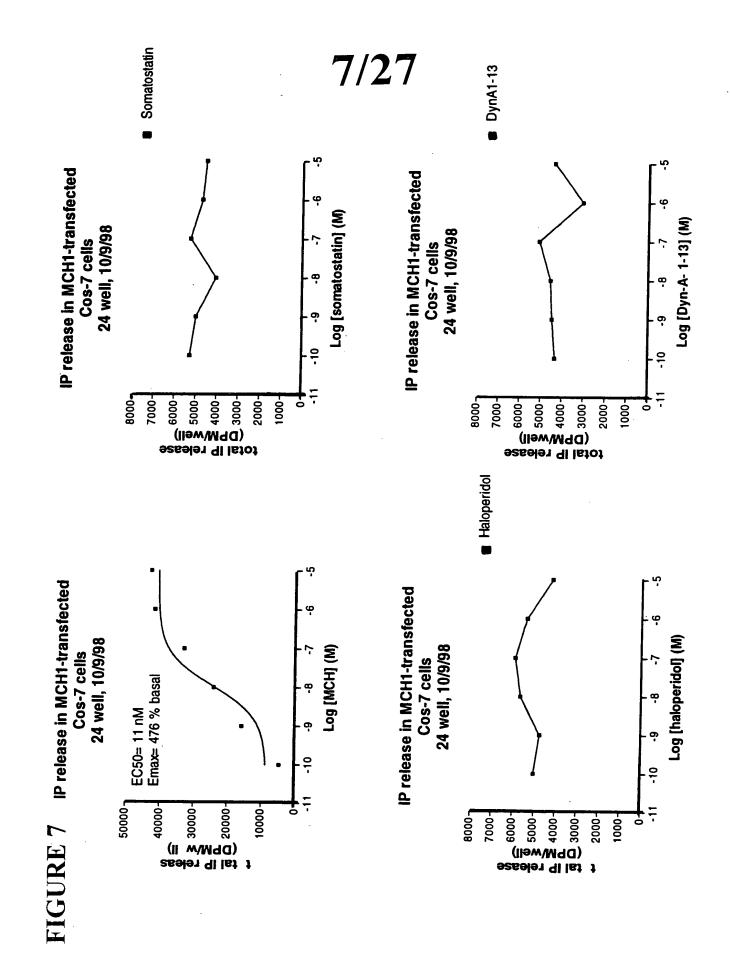
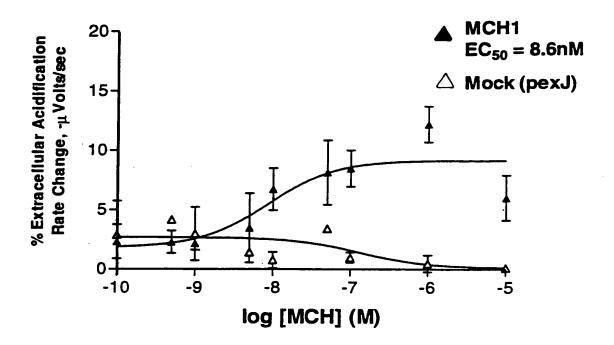
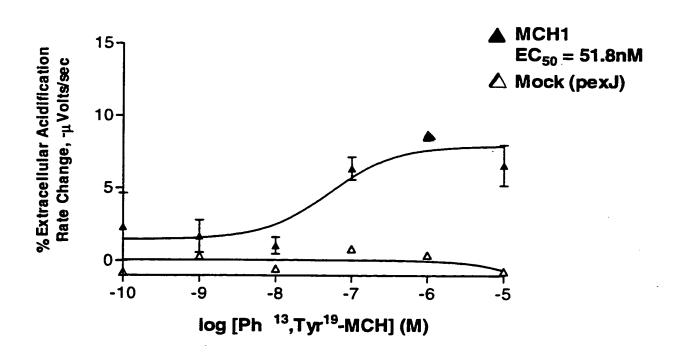
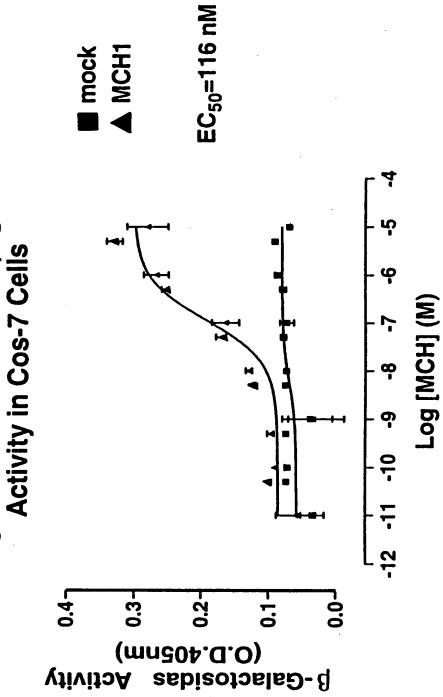


FIGURE 8 8/27
Micr physi met r Resp nse CHO cells



Microphysiometer Response CHO cells

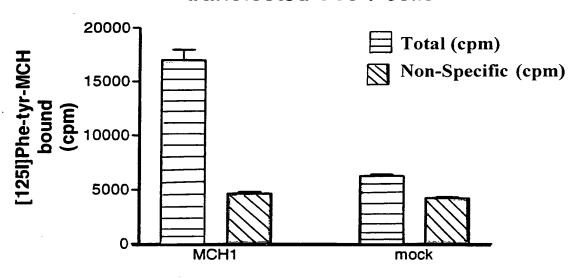




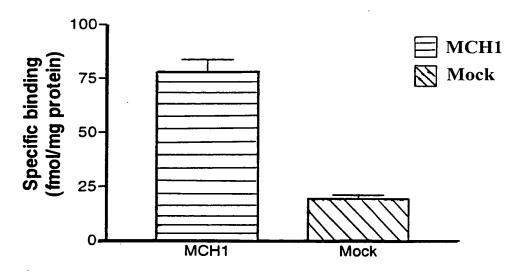
Agonist-Mediated c-fos-β-gal

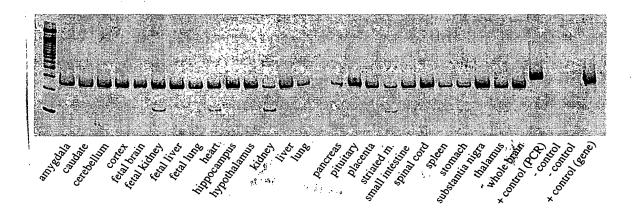
FIGURE 10

[125I]Phe13-Tyr19-MCH binding on transiently transfected Cos-7 cells



[125I]Phe13-Tyr19-MCH binding on transiently transfected Cos-7 cells





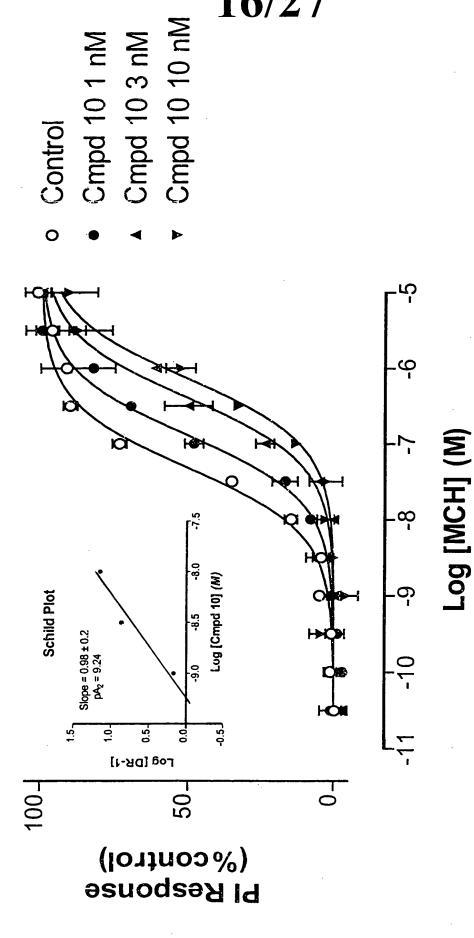
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      MDLEASLL
                    PT
                       GPNASN
                     PPRTGSI
                                  SYIN
                                           40
                A G S
  21
              S
                F G T
                              I
                     I C
                         L
                           LG
                                       T
                                          60
  41
      IIMPSV
         FAVVKKSKL
                         H W C
  61
                              NNVPD
                                        I
                                          80
                         E
                           L L
                    D
                     L
                       L
                              G M
                                  PFM
                                          100
  81
       Ι
          NL
               S
      E
                         GΞ
       Q
                  VWHE
                            TMC
                                   LI
                                       T
                                          120
 101
         LMGNG
     Н
                         YI
                            L
                              TAMAI
121
                      S
                       T
     AMDANS
                Q
                  F
                    T
                                          140
                           KFRK
                   I S
                         T
 141
     \mathbf{R} \cdot \mathbf{Y}
                       S
                                    S
                                          160
          A
              V
                H
                  5
             T
                         E
                           I S I
                                T
     TLVIC
                                  ₽
                                          180
 161
              L
                    A L
                       S
                                   VWL
                L
                  W
                         V G C
                                Ι
     YARL
             Ξ
 131
              5
                E
                  ō
                    G
                     G A
                              G
                                  R L
                                     PN
                                          200
                           F F L A F A L
     PDT
                         Q
                                          220
 201
          DL
              YWE
                    T
                     LY
     F V V I
                  YVRILQRMT
                                    S V A
 221
                                          240
            TAAA
                                    AIA
                      RTK
                           R
                                          260
                            V
                              T
                                RT
 241
     PASQ
            R S
                I
                  R
                   L
     ICLVF
                VCWAPYYVLQL
                                    TQL
                                          280
 261
              Ε
                          YNAAISL
     SI
                    FVYL
                                          300
 281
        SRPTL
                  T
     YANSC
                    F V Y
 301
                         I
                           VLCETFRK
                                          320
              L
                N
                    AAQGQLRAVSNA
            SVKP
                                          340
 321
     RLVL
                                          353
 341
    TOTADEERT
                   ESKGT
```





Specific

Total

17/27

Nonspecific

12.5

7.5

5.0

2.5

[³H]Compound 10 Free *(nM)*

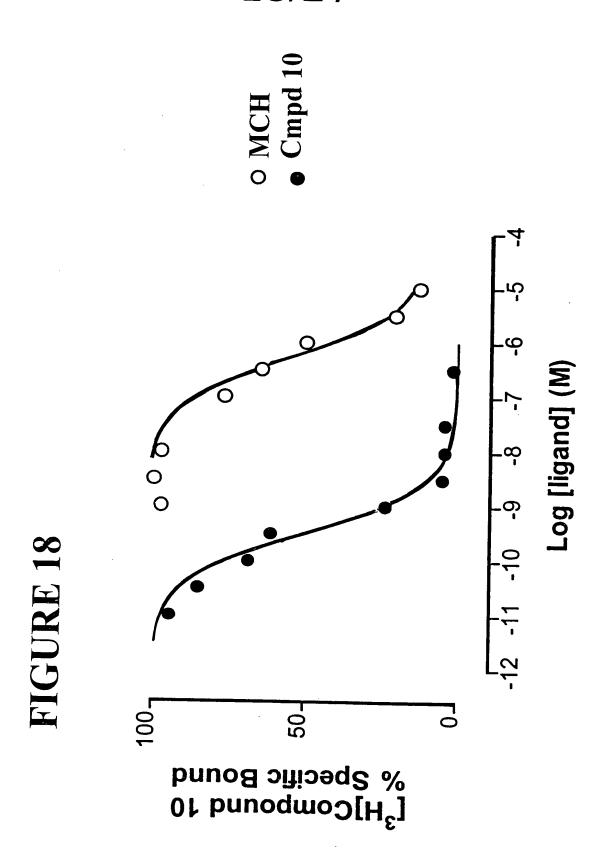


FIGURE 19

Total MCH1 Receptor Binding



Nonspecific binding

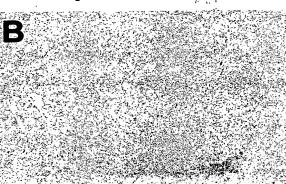


FIGURE 20A

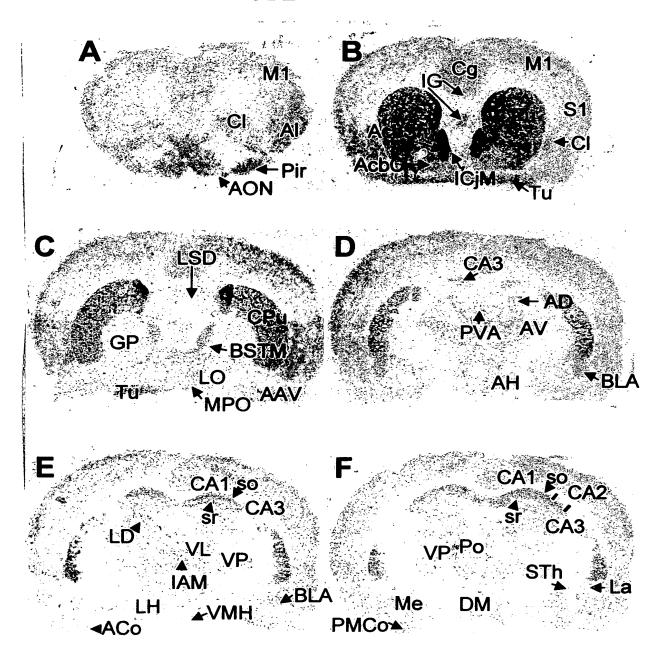
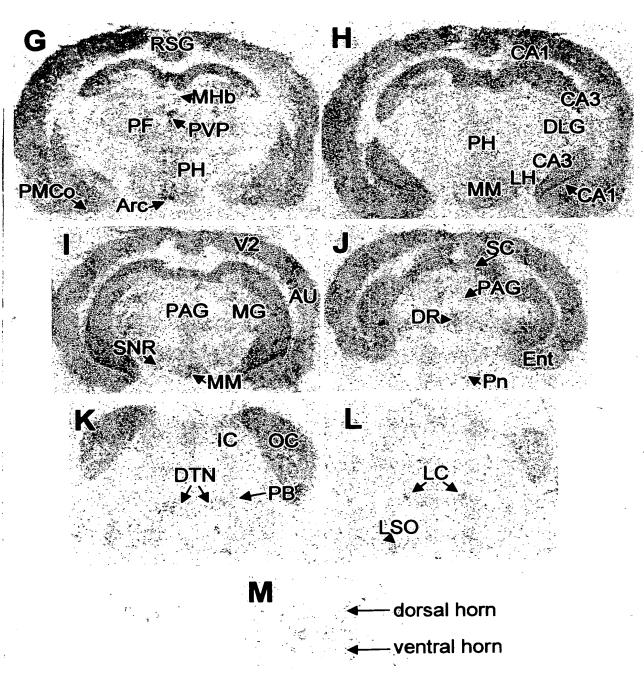
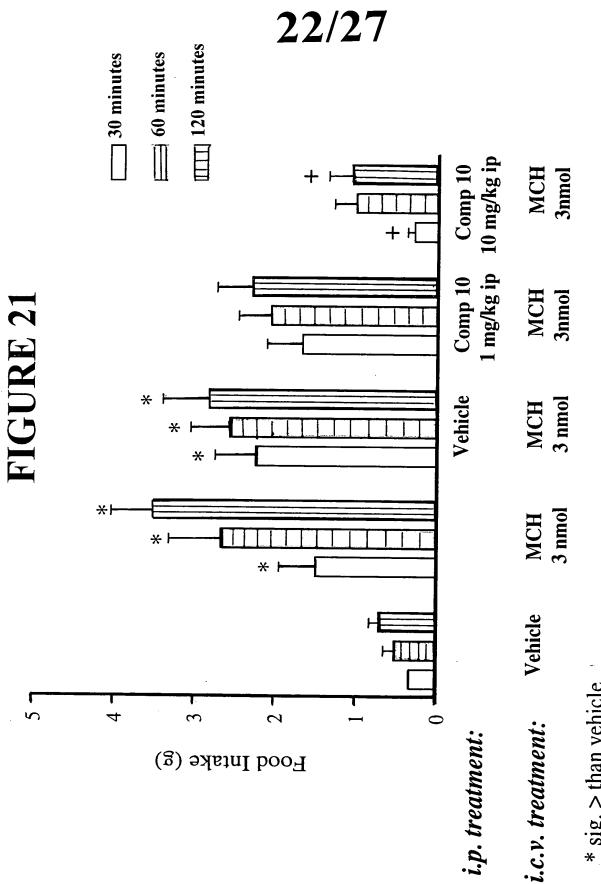
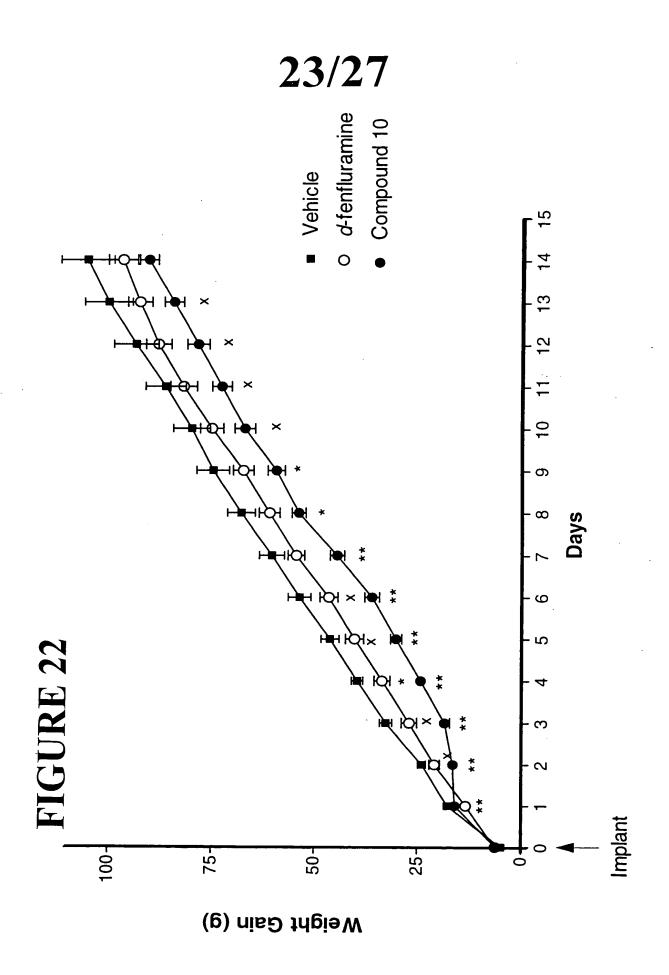


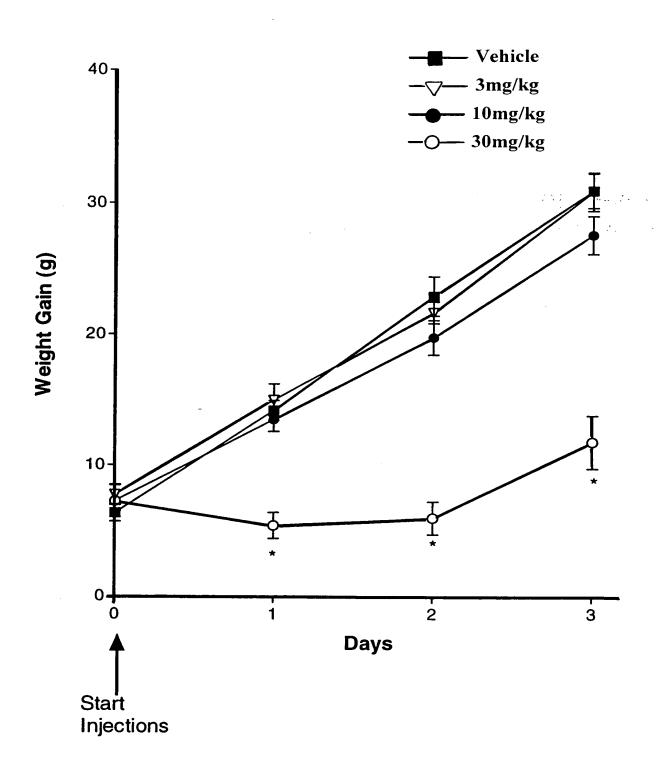
FIGURE 20B

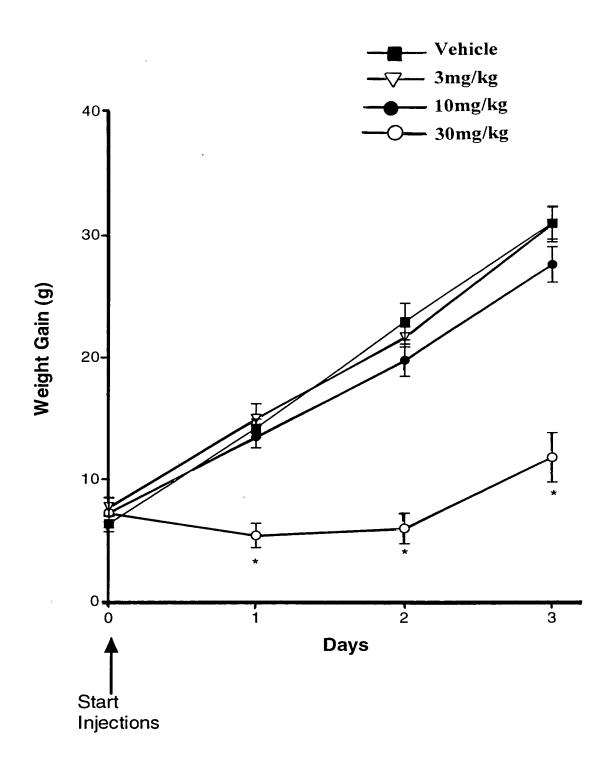


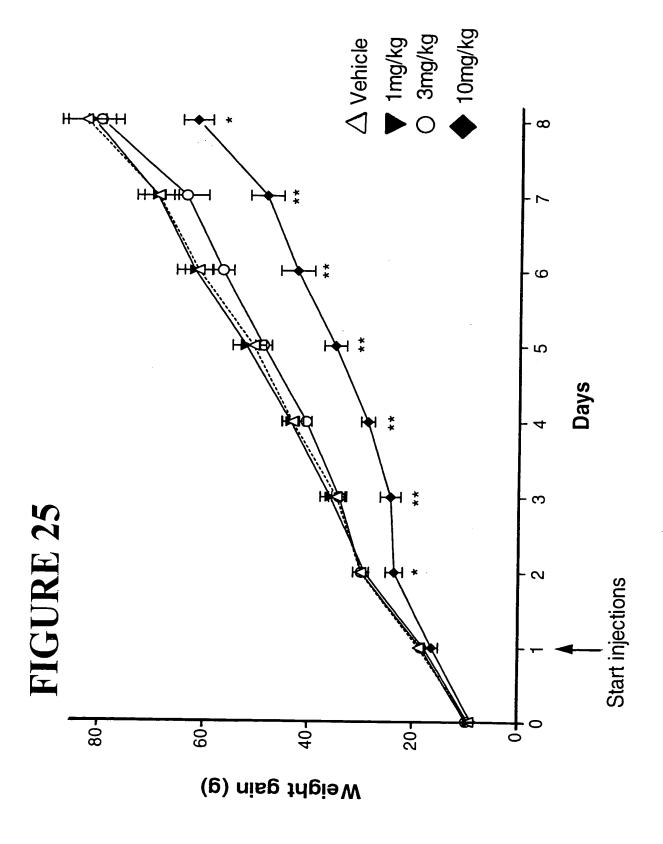


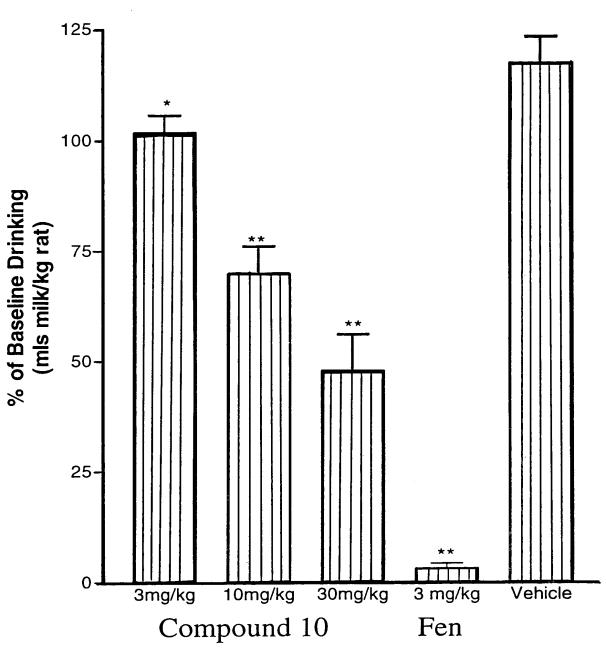
* sig. > than vehicle + sig. < than veh+MCH











Treatment